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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/621,780	07/16/2003	Douglas Jay Mathews	G006001	1672	
23513 75	590 03/31/2005		EXAM	EXAMINER	
	MCKAY & HODGSO	SMITH, B	SMITH, BRADLEY		
GARDEN WES 1900 GARDEN	ST OFFICE PLAZA, SUI I ROAD	ITE 220	ART UNIT	PAPER NUMBER	
MONTEREY,	CA 93940		2891		
			DATE MAILED: 03/31/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	- Cuh
	10/621,780	MATHEWS ET AL.	
Office Action Summary	Examiner	Art Unit	
	Bradley K. Smith	2829	
The MAILING DATE of this communicate Period for Reply	ion appears on the cover sheet w	ith the correspondence address	ş
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA* - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communica* - If the period for reply specified above is less than thirty (30) day - If NO period for reply is specified above, the maximum statutor - Failure to reply within the set or extended period for reply will, It Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a ration. ys, a reply within the statutory minimum of thir y period will apply and will expire SIX (6) MON by statute, cause the application to become AB	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communion BANDONED (35 U.S.C. § 133).	ication.
Status			
1) Responsive to communication(s) filed or 2a) This action is FINAL . 2b) 3) Since this application is in condition for a closed in accordance with the practice up	This action is non-final. allowance except for formal matter		its is
Disposition of Claims			
4) ⊠ Claim(s) 1-12 and 24-29 is/are pending 4a) Of the above claim(s) is/are w 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-12 is/are rejected. 7) ⊠ Claim(s) 24-29 is/are objected to. 8) □ Claim(s) are subject to restriction	rithdrawn from consideration.		
Application Papers			
9) The specification is objected to by the Ex 10) The drawing(s) filed on 12/21/v4 is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by	accepted or b) objected to to the drawing(s) be held in abeyar correction is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.1	` '
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for f a) All b) Some * c) None of: 1. Certified copies of the priority doce 2. Certified copies of the priority doce 3. Copies of the certified copies of the application from the International II * See the attached detailed Office action for	uments have been received. uments have been received in A se priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage	e
Attachment(s)) Notice of References Cited (PTO-892)	A) ☐ Intervious G	Summary (PTO 442)	
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-9) Information Disclosure Statement(s) (PTO-1449 or PTO/Paper No(s)/Mail Date	48) Paper No(s	ummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) 	

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see page 2, filed 3/17/05, with respect to the rejection(s)of claim(s) 1-8 and 8-12 under 102 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Terui (US Patent 6.225.694).

Election/Restrictions

2. Claims 24-29 are rejoined.

Since all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement made in the Office action mailed on 7/27/04 is hereby withdrawn.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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4. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Terui (US Patent 6,225,694). Terui discloses a first surface, a second surface, a side and a around shield extending from said first surface to said second surface and adjacent said side; and an electronic component coupled to said first surface (see figure 1). With regards to claim 2, Terui discloses wherein said ground shield comprises a plurality of electrically conductive vias (see figure 1). With regards to claim 3, Terui discloses the ground vias are spaced sufficiently close to one another to prevent radiation from passing between said ground vias (the examiner understands this to be an inherent part of the structure a "shield structure" would inherently not let radiation through). With regards to claim 4, Terui disclose wherein the ground shield extends around the periphery of the substrate (see figure 1). With regards to claim 5, Terui disclose a shield ring coupled to said first surface of said substrate, said shield ring defining a central region of said first surface of said substrate, said electronic component being coupled to said central region (see figures 1 and 6a). With regards to claim 6 and 7, Terui disclose the shield ring comprises upper ground traces and the ground traces are adjacent to the side of the substrate (see figures 6a-6c). With regards to claim 8, Terui disclose the shield coupled to the shield ring and the shield enclosing the electronic component (see figure 1). With regards to claim 9, Terui disclose the shield being connected to the shield ring through a conductive adhesive (see column 2 lines 50-55). With regards to claim 10, Terui disclose a substrate comprising a first surface comprising a central region defined by a shield ring; a shield electrically coupled to said shield ring, said shield being continuous; and an electronic component coupled to said central region

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(see figure 1). With regards to claims 11 and 12, Terui disclose said shield comprises a shield connection surface (rectangular annulus), said shield ring corresponding in shape to said shield connection surface.

Allowable Subject Matter

- 5. Claims 24-29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record neither teaches nor suggest within the context of the entire claim a first and second shield attached to a first and second shield rings claims (claims 24-29).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley K. Smith whose telephone number is (571) 272-1884. The examiner can normally be reached on 10-6 Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on (571) 272-1722. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Brad Smith

Primary Examiner

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